

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NZ2003/000264

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: F42D 1/04; F42B 3/18; C06C 5/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

AU: IPC F42D 1/04; F42B 3/18; C06C 5/06, 7/00

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI: Q79/DC, C06C/IC with keywords such as shock, tube, initiate, safe, cock, mechanism and similar terms.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6581519 B (ADAMS) 24 June 2003	
A	AU 199958791 A (AFRICAN EXPLOSIVES LTD) 26 April 2000	
A	US 4962708 A (SNYDER et al) 16 October 1990	
A	US 4381711 A (LAWRENCE) 3 May 1983	



Further documents are listed in the continuation of Box C



See patent family annex

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
24 March 2004

Date of mailing of the international search report
29 MAR 2004

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ2003/000264

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member	
US	6581519	NONE		
AU	199958791	WO	2000/020821	ZA 200102693
US	4962708	NONE		
US	4381711	NONE		